

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

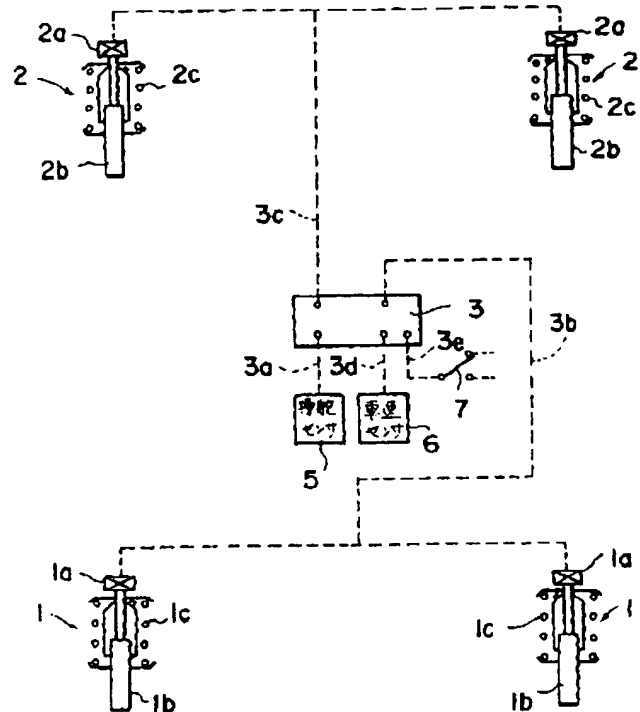
PUBLICATION NUMBER : 59073312  
 PUBLICATION DATE : 25-04-84  
 APPLICATION DATE : 18-10-82  
 APPLICATION NUMBER : 57182367

APPLICANT : MAZDA MOTOR CORP;

INVENTOR : ANAMI YOSHIKI;

INT.CL. : B60G 17/08

TITLE : SUSPENSION OF CAR



**ABSTRACT :** PURPOSE: To provide optimum manipulating characteristic depending upon a steering angle, by constituting a device such that a damper unit, having a variable damping force, is mounted to a suspension means, and the damping force ratio between damper units for front and rear wheels is varied according to the output of a steering angle sensor.

**CONSTITUTION:** The detected output of a steering angle sensor 5 is inputted to a controller 3. When the inputted steering angle signal exceeds a given value, the controller 3 outputs signals to actuators 1a and 2a, to decrease the damping force CF of a damper unit 1b of each of front wheels, and to increase the damping force CR of a damper unit 2b of each of rear wheels. Thus, CF/CR is decreased, and understeer is weakened. Conversely, in the case of non-steering, the CF/CR is kept at a large value, and understeer is strengthened. This provides optimum manipulating characteristic depending upon a steering angle.

COPYRIGHT: (C)1984,JPO&Japio